

ABSTRACT OF THE INVENTION

A wavelength selecting module includes a first collimator for collimating diverging light to generate a collimated light beam and a liquid crystal cell having a predetermined helical direction. The liquid crystal cell separates a light signal having a specific wavelength among a plurality of light signals of the collimated light beam into a left circularly polarized light and a right circularly polarized light, reflects one of the left and right circularly polarized light signals that has a same optical rotatory direction as the predetermined helical direction toward the first collimator in a first state. The liquid crystal cell passes the plurality of light signals of the collimated light beam in a second state. The liquid crystal cell changes between the first state and the second state in accordance with a change in a voltage applied thereto, thereby switching between selection and non-selection of light having the specific wavelength.